

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	03712
<b>Product Name</b>	Fmoc-D-His(Boc)-OH·CHA Fmoc-N <sup>im</sup> -Boc-D-histidine cyclohexylammonium salt
<b>Lot Number</b>	3712-021501-V
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>27</sub> N <sub>3</sub> O <sub>6</sub> ·C <sub>6</sub> H <sub>13</sub> N
<b>Molecular Weight</b>	586.7
<b>Melting Point</b>	154°C
<b>Optical Rotation</b>	$\alpha_D = -10.3^\circ$ (C=1 MeOH)
<b>Chromatography:</b>	Methylene chloride:Methanol:Water 14:6:1
<b>TLC</b>	R <sub>f</sub> = 0.82 Chloroform :Methanol:Acetic Acid 17:2:1 R <sub>f</sub> = 0.86
<b>HPLC</b>	Purity not valuable because of decomposition at buffer pH=2 $\lambda = 214$ , tr=8.3min, 50-95% B, Flow rate 1ml/min A=Water:trifluoroacetic acid 100:0.5 B=acetonitrile:trifluoroacetic acid 83:17:0.38
<b>Purity</b>	99%
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Sashi Kumar**  
Quality Control Manager